

**APPENDIX C: Articles Not Used in Effects Determination for Cyanide (see Appendix D of the Methods Manual for explanation of rejection codes).**

Article Number and Citation	Source	Rejection Code(s)	Comment
#2. Aguigwo JN. Studies on acute toxicity of cassava leaf extracts on the African catfish <i>Clarias anguillaris</i> . J.-Aquat.-Sci. Vol. 13, Pp. 29-32, 1998.		No Conc	
#3. Alazemi, B M; Lewis, J W, and Andrews, E B. Gill damage in the freshwater fish <i>Gnathonemus petersii</i> (Family: Mormyridae) Exposed to selected pollutants: An ultrastructural study. Environ. Technol. 1996; 17(3):225-38.		Duration, No Conc	Only 6 Hr Exposure; Two Concentrations + Control
#4. Alstrom, S and Burns, R G. Cyanide production by rhizobacteria as a possible mechanism of plant growth inhibition. Biology and Fertility of Soils 7(3): 232-238. 1989.	EcoRef # 46948	Unrelated	
#6. Annachhatre, A P A and Amornkaew, A. Toxicity and Degradation of Cyanide in Batch Methanogenesis. Environmental-Technology. Feb., 2000; 21 (2) 135-145. 2000.		Bacteria	Utilizes Microtox, a toxicity test on a marine bacterium
#7. Aylward, S P; Walker, T M, and Atterwill, C K. Modulation of thyroxine uptake and efflux In Vitro by temelastine and phenobarbital in cultured hepatocytes from different species, in relation to toxicological effects on the thyroid gland. Toxicol. In Vitro. 1994; 8(3):309-16.		Unrelated	
#8. Baba, Kenji; H. Yahagi; T. Iida; N. Oki. Acute toxicity judgement method based on fish movement analysis.		Foreign (Japanese)	Not able to decipher details
#9. Gaspar, Banfalvi. Cianid toxikologia. Gyogyszereszet. 44, 220-224, 2000.		Foreign (Hungarian)	Not able to decipher details
#10. Barron, M G and Adelman, I R. Temporal Characterization of growth of fathead minnow ( <i>Pimephales promelas</i> ) larvae during sublethal hydrogen cyanide exposure. Comparative Biochemistry and Physiology C Comparative Pharmacology and Toxicology 81(2); 341-344. 1985.		No Conc	
#11. Billard, R. and P. Roubaud. The effect of metals and cyanide on fertilization in rainbow trout ( <i>Salmo gairdneri</i> ). Water Res. 19, 209-214, 1985.	EcoRef # 10552	In Vitro, Duration	
#14. Hans Blanck, S.-A. Wangber, and S. Molander. Pollution-Induced community tolerance-“a new ecotoxicological tool,” functional testing of aquatic biota for estimating hazards of chemicals. ASTM STP 988, J.Cairns, Jr., and J.R. Pratt, Eds., American Society for Testing and Materials, Philadelphia, 1988, pp. 219-230.		Unrelated	

Article Number and Citation	Source	Rejection Code(s)	Comment
#15. Bleckmann, Charles A; Rabe, Bruce; Edgmon, Sheila J, and Fillingame, Drew. Aquatic toxicity variability for fresh- and saltwater species in refinery wastewater effluent. Environ. Toxicol. Chem. 1995; 14(7):1219-23.		Effluent	
#16. Boening, Dean W A and Chew, Christine M. A critical review: General toxicity and environmental fate of three aqueous cyanide ions and associated ligands. Water-Air-And-Soil-Pollution. Jan., 1999; 109 (1-4) 67-79. 1999.		Secondary	
#18. Branco, LG and Malvin, GM. Thermoregulatory effects of cyanide and azide in the toad, <i>Bufo marinus</i> . Am-J-Physiol. 1996; Vol 270iss 1 Pt 2.		Exposure	Frogs Were Surgically Altered and Injected With Chemicals.
#19. Brown D.G; Lanno R.P; Van Den Heuvel Mr. and Dixon Dg. HPLC Determination of plasma thiocyanate concentrations in fish blood: Application to laboratory pharmacokinetic and field-monitoring studies. Ecotoxicol.-Environ.-Saf. Vol. 30, No. 3, Pp. 302-308, 1995.	EcoRef# 15312	No Conc	Fish Exposed To Only 1 Concentration.
#20. Burleson, MI and Milsom, Wk. Cardio-Ventilatory control in rainbow trout: II. Reflex effects of exogenous neurochemicals. Respir-Physiol. 1995; Vol 101iss 3.		Exposure	Fish Were Surgically Altered (Cannulated) and Injected With Chemicals.
#21. Burton, G Allen Jr and Stemmer, B L. Evaluation of surrogate tests in toxicant impact assessments. Toxic. Assess. 1988; 3(3):255-69.		No Conc	
#23. Carballo, M and Munoz, M J. Effect of sublethal concentrations of four chemicals on susceptibility of juvenile rainbow trout ( <i>Oncorhynchus mykiss</i> ) to saprolegniosis. Appl. Environ. Microbiol. 1991; 57(6):1813-16.		No Conc	Only 1 Concentration + Control
#24. Carballo, M; Munoz, M J; Cuellar, M, and Tarazona, J V. Effects of waterborne copper, cyanide, ammonia, and nitrite on stress parameters and changes in susceptibility to saprolegniosis in rainbow trout ( <i>Oncorhynchus mykiss</i> ). Applied and Environmental Microbiology 61(6); 2108-2112. 1995.	EcoRef# 16784	No Conc	Only 1 Concentration and A Control; 24 H Duration. Text Does Refer To A 96-H LC50 of 70 µG/L For Rainbow Trout, But Does Not Provide Details Or A Reference For This Value.
#26. Cherian, M A and Richmond, I. Fatal methane and cyanide poisoning as a result of handling industrial fish: a case report and review of the literature. Journal-Of-Clinical-Pathology-London. [Print] October, 2000; 53 (10) 794-795. 2000.		Unrelated	Paper Deals With Cyanide Poisoning Resulting From Toxic Fumes From Rotten Fish Aboard Fishing Vessels.
#27. Chew, S F; Goh, E; Lim, C B, and Ip, Y K. Cyanide exposure affects the production and excretion of ammonia by the mudskipper <i>Boleophthalmus boddaerti</i> . Comparative Biochemistry and Physiology C Pharmacology Toxicology & Endocrinology 120(3); 441-448. 1998.		No Conc	Fish Exposed To Only 1 Concentration.

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#28. Chew, S.F. and Ip, Y.K. Toxicity of cyanide to fishes. Ming, C.L. and P.K.L. Ng (Ed.). Essays in Zoology: Papers Commemorating the 40 <sup>th</sup> Anniversary of the Department of Zoology, National University of Singapore, 1990. P. 343-349. Department of Zoology, National University of Singapore, Republic of Singapore. 1990.		Secondary	Article is a basic overview of the toxicity of cyanide to fishes. No actual tests were conducted.
#30. Compton SG and Jones DA. An investigation of the responses of herbivores to cyanogenesis in <i>Lotus corniculatus</i> L. Biol.-J.-Linn.-Soc. Vol. 26, No. 1, Pp. 21-38, 1985.		Unrelated	Terrestrial Insects and Snails
#31. Cyr, D G; Aysola, P, and Ruby, S M. Effects of sublethal hydrogen cyanide on exogenous yolk production in rainbow trout ( <i>Salmo gairdneri</i> ). Canadian Technical Report of Fisheries and Aquatic Sciences (1368). 1983 Nov 7-1983 Nov 7; 373-374. Tenth Annual Aquatic Toxicity Workshop Halifax.		No Conc	Fish Exposed To Only 1 Concentration of Cyanide
#34. Eisler R. Cyanide hazards to fish, wildlife, and invertebrates: A synoptic review. 55-Pp, Biol. 1985 Jan 23; Rep.		Secondary	Review
#35. Gabor S; Gyoergy C; Erzsebet Gd; Eniko O; Maria L; Gabor M; Zoltan K, and Csaba N. Effect of the cyanide and heavy metal pollution passed in river Szamos and Tisza on the aquatic flora and fauna with special regard to the fish. Magyar-Allatorvoso-k-Lapja [Magy.-Allatorv.-Lapja] Vol. 122, No. 8, Pp. 493-500, 2000.		Foreign; Toxicant	Mixture: cyanide conc. in muscles and gills of fishes living in polluted rivers
#36. Garland, JG. Results of boron, surfactant, and cyanide investigation, beale AFB, California. Govt Reports Announcements & Index (GRA&I), Issue 04, 1992. Ntis/Ad-A241 913/3, 76p. NTIS Prices: Pc A05/Mf A01. 1991.		No Organism	
#37. Gilmour, Km; Fletcher, M, and Part, P. Transepithelial potential of cultured branchial epithelia from rainbow trout under symmetrical conditions [Letter]. In-Vitro-Cell-Dev-Biol-Anim. 1998; Vol 34iss 6.		Unrelated	
# 38. Gusev, GP and Sherstobitov, AO. Effect of metabolic inhibitors on K <sup>+</sup> Transport across the lamprey ( <i>Lampetra fluviatilis</i> ) erythrocyte membrane. Gen-Physiol-Biophys. 1994; Vol 13iss 6.		Biomarker	Potassium Transport Across Cell Membranes
#39. Hall, K.C. and D.R. Bellwood. Histological effects of cyanide, stress and starvation on the intestinal mucosa of <i>Pomacentrus coelestis</i> , a marine aquarium fish species. Journal of Fish Biology. 47(3) 438-454, 1995.	EcoRef# 15004	Duration	Period of exposure was not reported
#40. Hanawa, M; Harris, L; Graham, M; Farrell, A P, and Bendell, Young L I. Effects of cyanide exposure on <i>Dascyllus aruanus</i> , a tropical marine fish species: Lethality, anesthesia and physiological effects. Aquarium Sci. Conserv., 2:1, 21-34, 1998. 1998.	EcoRef# 59882	No Conc	Fish Exposed To "Pulse" Dose, i.e. for 10, 60, Or 120 Seconds Only..

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#41. Harahuc, L; Lizama, Hm, and Suzuki, I. Selective inhibition of the oxidation of ferrous iron or sulfur in <i>Thiobacillus ferrooxidans</i> . Appl-Environ-Microbiol. 2000; Vol 66 iss 3.		Unrelated	Studies on Iron Bacteria
#43. Hickey, James P. Estimating the environmental behavior of inorganic and organometal contaminants: solubilities, bioaccumulation, and acute aquatic toxicities. Water-Resour. Invest. Rep. (U. S. Geol. Surv.), 99-4018b, U.S. Geological Survey Toxic Substances Hydrology Program, 1999, Vol. 2, 477-482. 1999.		No Conc	
#44. Hutchinson, Thomas H; Solbe, John, and Kloepper, Sams Pamela J. Analysis of the ecetoc aquatic toxicity (eat) database. III - Comparative toxicity of chemical substances to different life stages of aquatic organisms. Chemosphere. 1997; 36(1):129-142.		Secondary	
#45. Igarash, Y.; H. Taguchi; T. Isiwata, T. Suzui; T.Takimoto; Y.Murofushi; N.Moriya, and S. Iijima. Studies of the method to investigate the cause of fish mortal accidents. Bull. Shizuoka Inst. Environ. and Hyg.		Foreign (Japenese)	Not able to decipher details
#47. Jones, R J; Kildea, T, and Hoegh, Gulberg O. Pam chlorophyll fluorometry: A new In Situ technique for stress assessment in scleractinian corals, used to examine the effects of cyanide from cyanide fishing. Mar. Pollut. Bull., 38:10, 864-874, 1999. 1999.		No Conc, Duration	Coral & Symbiotic Algae Were Exposed To Pulses of NACN Concentrations in Situ
#48. Jones, R J and Steven, A L. Effects of cyanide on corals in relation to cyanide fishing on reefs. Marine and Freshwater Research 48(6); 517-522. 1997.		Duration; No org	Observations of the results of cyanide fishing on coral reefs
#49. Kaiser, K. Feed forward back-propagation. Water quality research journal of Canada. 32(4), pp855, 1997			This errata goes with 50, CN article# which has already been rejected.
#50. Kaiser, Klaus Le; Niculescu, Stefan P, and Schuurmann, Gerrit. Feed forward back propagation neural networks and their use in predicting the acute toxicity of chemicals to the fathead minnow. Water Qual. Res. J. Can. 1997; 32(3):637-657.		QSAR	
#51. Kang, JU Chan and Jee, Jung Hoon. Hemochemical changes in Israel carp, <i>Cyprinus carpio</i> exposed to cyanide. Journal-Of-The-Korean-Fisheries-Society. Sept., 1999; 32 (5) 573-581. 1999.		Biomarker	Foreign; Toxicity of CN on Hemochemical Parameters
#53. Krajnovic Ozretic M and Ozretic B. Detection and evaluation of hepatic intoxication in fish. Proceedings of the Fao/UneP/Ioc Workshop on the Biological Effects of Pollutants on Marine Organisms. 164; UneP, Athensgreece.		Biomarker	Effects on Liver Enzymes; only 24 h Exposure

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#54. Lambalez, L; Vasseur, P; Ferard, J F, and Gisbert, T. The environmental risks of industrial waste disposal: An experimental approach including acute and chronic toxicity studies. Ecotoxicology and Environmental Safety 28(3); 317-328. 1994.		Toxicant	Mixture
#55. Lanno, R.P. "Can chronic cyanide exposure induce chronic thiocyanate toxicity in rainbow trout?" In: Canadian technical report of fisheries and aquatic science. Government of Canada, fisheries and oceans. 1863		Toxicant, No Conc	Thiocyanate caused "alteration in thyroid histology" and "physiological and histological changes", but at what concentrations is not clear.
#58. Lee, H and Lee Y. Detection of toxic materials into the source of water supply by analyzing motionality of fishes. Journal of the Chinese Institute of Environmental Engineering 9(4);261-267. 1999.		Duration	Test duration was not acceptable
#60. Lewis, J W; Kay, A N, and Hanna, N S. Responses of electric fish ( <i>Family Mormyridae</i> ) to chemical changes in water quality: I. Cyanide. Environ. Technol. 1992; 13(12):1169-74.	EcoRef# 7221	No Conc	Only 1 Concentration + Control
#62. Ma, J and Pritsos, C A. Tissue-Specific bioenergetic effects and increased enzymatic activities following acute sublethal peroral exposure to cyanide in the mallard duck. Toxicology and Applied Pharmacology 142(2); 297-302. 1997.	EcoRef# 51727	Exposure, In Vitro	Examined Heart, Liver, and Brain Tissue. Exposures Via Gauage (i.e. Tube To Stomach)
#63. Mahadevan, M M. Sperm bioassay for detecting acute toxicity of chemical pollutants. Experientia (Basel) 42(1); 85-86. 1986.		In Vitro	
#64. Mayasich, S A; Idler, D J, and Charters, D W. The evaluation of In Vivo chlorophyll fluorescence to assess the impact of heavy metal and cyanide contamination on a freshwater marsh plant community. Bulletin of the Ecological Society of America 72(2 Suppl.). 1991 Aug 3-1991 Aug 3; 185. 76th Annual Ecological Society of America Meetingsan Antonio.		Biomarker	Field study projects [chlorophyll] from [CN]. All r <sup>2</sup> were ≤ 0.28
#67. Mckenzie, D J and Taylor, E W. Cardioventilatory responses to hypoxia and NANC in the <i>Neotenous axolotl</i> . Respir. Physiol. 1996; 106(3):255-262.		No Conc	Concentration of NaCN administered via cannula. Cardio and ventilatory responses measured.
#68. Morton, B. Artificial reefs, fish and cyanide. Marine Pollution Bulletin 32(7); 522-523. 1996.		Unrelated	

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#70. Munoz, M J; Carballo, M, and Tarazona, J V. The effect of sublethal levels of copper and cyanide on some biochemical parameters of rainbow trout after subacute exposure. Comp. Biochem. Physiol., C: Comp. Pharmacol. Toxicol. 1991; 100c(3):577-82.	EcoRef# 3934	No Conc	Fish Exposed To Only 1 Concentration of KCN.
#71. Nagel, W and Katz, U. Cyanide inhibition of chloride conductance across toad skin. J. Membr. Biol., 173:2, 117-125, 2000. 2000.		In Vitro	Experiments Performed on Isolated Toad Skin.
#72. Ortiz, J A; Carballo, M, and Tarazona, J V. Effect of sublethal copper and cyanide exposures on the metabolic excretion of rainbow trout, <i>Oncorhynchus mykiss</i> . Investigacion Agraria Produccion Y Sanidad Animales 7(1); 9-20. 1992.		No Conc, Biomarker	
#73. Ortiz, J A and Tarazona, J V. Water quality changes by rainbow trout reared in a flow-through system. Effects of copper and cyanide. Investigacion Agraria Produccion Y Sanidad Animales 8(3); 281-288. 1993.		No Conc	Only 1 Concentration + Control
#74. Oyelese, O A A; Taiwo, V O; Ogunsanmi, A O, and Faturoti, E O. Toxicological effects of processed cassava peels on haematology, serum biochemistry and tissue pathology of clarias gariepinus fingerlings. Tropical-Veterinarian. 1999; 17 (1-2) 17-30. 1999.		Toxicant	Fish were fed Cassava peels, which contains sodium thiocyanate
#79. Raymond, P and Leduc, G. Investigation on the mode of action of cyanide by monitoring various physiological parameters in rainbow trout ( <i>Salmo gairdneri</i> ) exposed during 20 days to sublethal cyanide levels. Canadian Technical Report of Fisheries and Aquatic Sciences 0(1368). 1983 Nov 7-1983 Nov 7; 165-166. Tenth Annual Aquatic Toxicity Workshop Halifax.		No Conc	Abstract Only
#81 Raymond, Pierre; Leduc, Gerard, and Kornblatt, Jack A. Study on cyanide toxicodynamics and biotransformation in the rainbow trout ( <i>Salmo gairdneri</i> ). Can. J. Fish. Aquat. Sci. 1986; 43(10):2017-24.	EcoRef# 11991	Foreign, Biomarker	Paper in French. No acute or chronic values given in English version of abstract.
#82 Rehm, Ws; Carrasquer, G, and Schwartz, M. Effects of NASCN and omeprazole on resistance and potential of fundus of <i>Rana pipiens</i> . Am-J-Physiol. 1986; Vol 250iss 4 Pt 1.		in vitro	Experiments Performed on Frog's Stomachs.
#83 Rehwald, W; Messner, G, and Lang, F. Effect of cyanide on proximal convoluted tubules of the frog kidney. Pfluegers archiv european journal of physiology 405(suppl. 2). 1985 Sep 30-1985 Oct 4; R32. 62nd Meeting of the Deutsche Physiologische Gesellschaft (German Physiological Society)Berlin.		in vitro	Experiments Performed on Frog Kidney's

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#84. Rippon GD; LeGras CA; Hyne RV, and Cusbert PJ. Toxic effects of cyanide on aquatic animals of the Alligator Rivers Region. Australian Government Publishing Service, Canberra (Australia) 10 Pp, Tech. Memo. Superv. Sci. Alligator Rivers Reg. (Aust.). No. 39, 1992. Australian Government Publishing Service Canberra (Australia).	EcoRef# 6598	Variable Exposure	Volatilization of free CN <sup>-</sup> in the 24 hour exposure period were excessive
#85. Rubec, P.J. Chronic Toxic Effects of Cyanide on Tropical Marine Fish. Canadian Technical Report 1774(1-2) 1990.		Chem method No Conc	Study measures the levels of CN in marine fish captured for Aquarium hobbyists. No Toxicity data given.
#86. Ruby, S M; Idler, D R, and So, Y P. Changes in plasma, liver, and ovary vitellogenin in landlocked atlantic salmon following exposure to sublethal cyanide. Archives of Environmental Contamination and Toxicology 16(4); 507-510. 1987.	EcoRef# 12589	No Conc	Fish Exposed To Only 1 Sub-Lethal Concentration of Cyanide
#87. Ruby, S M; Idler, D R, and So, Y P. Changes in Plasma, Liver, and Ovary Vitellogenin in Landlocked Atlantic Salmon Following Exposure To Sublethal Cyanide. Archives of Environmental Contamination and Toxicology 16(4); 507-510. 1987.	EcoRef# 12589	No Conc	Fish Exposed To One Concentration of Cyanide (dup.)
#88. Ruby, S A; Idler, D A; and So, Y P. Plasma vitellogenin, 17 $\beta$ -estradiol, T3 and T4 levels in sexually maturing rainbow trout <i>Oncorhynchus mykiss</i> following sublethal HCN exposure. Aquat Toxic. 1993; 26:91-102.	EcoRef# 8260	Biomarker	
#89. Ruby, S M; Jaroslawski, P, and Hull, R. Lead and cyanide toxicity in sexually maturing rainbow trout, <i>Oncorhynchus mykiss</i> during spermatogenesis. Aquatic Toxicology (Amsterdam) 26(3-4); 225-238. 1993.	EcoRef# 8194	No Conc	Fish Exposed To Only One Concentration of Cyanide
#93. Sauer, G R and Watabe, N. The effects of heavy metals and metabolic inhibitors on calcium uptake by gills and scales of <i>Fundulus heteroclitus</i> In Vitro. Comp. Biochem. Physiol., C: Comp. Pharmacol. Toxicol. 1988; 91c(2):473-8.		In Vitro	Experiments on Isolated Fish Gills and Scales.
#94. Sawyer, P L and Heath, A G. Respiratory and cardiac responses of rainbow trout and brown bullhead catfish to waterborne cyanide. American Zoologist 25(4). 1985 Dec 27-1985 Dec 30; 117a. Annual Joint Meeting of the American Society of Zoologists the American Microscopical Society.		Details	Abstract only. Not Enough Details To Determine If Acute Or Chronic Values Are Reported in Study.

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#95. Sawyer, Paul L and Heath, Alan G. Cardiac, ventilatory and metabolic responses of two ecologically dissimilar species of fish to waterbone cyanide. <i>Fish Physiol. Biochem.</i> 1988; 4(4):203-19.	EcoRef# 12812	Duration	Inappropriate Test Design and Duration
#96. Schaeffer, DJ. Planarians as a model system for In Vivo teratogenesis studies. <i>Qual Assur</i> 1993 Sep;2(3):265-318. 1993.		Secondary	
#99. Sparks, R.E. and F.S. Dillon. F-94-R. Illinois river fingernail clam toxicity study. Illinois Natural History Survey Center for Aquatic Ecology Technical Report 93/5. July 1, 1990-Dec. 31, 1991		Details	Insufficient details are provided to adequately evaluate results.
#100. Stair, E L and Whaley, M. Rapid screening and spot tests for the presence of common poisons. <i>Veterinary and Human Toxicology</i> 32(6); 564-566. 1990.		Unrelated	Paper Deals With Spot Test To Identify Poisons in Poisoned Animals.
#101. Szabo, A; Ruby, S M; Rogan, F, and Amit, Z. Changes in brain dopamine levels, oocyte growth and spermatogenesis in rainbow trout, <i>Oncorhynchus Mykiss</i> , following sublethal cyanide exposure. <i>Archives of Environmental Contamination and Toxicology</i> 21(1); 152-157. 1991.		No Conc	Fish Exposed To Only 1 Concentration of HCN.
#102. Thomas, M; Chrétien, D; Florion, A, and Terver, D. Real-Time detection of potassium cyanide pollution in surface waters using electric organ discharges wave emitted by the tropical fish, <i>Apteronotus albifrons</i> . <i>Environ. Technol.</i> 1996; 17(6):561-574.		Biol. Method	Paper describes a technique to detect KCN through the analysis of electric signals emitted by an electric fish.
#103. Thomas, M; Florion, A; Chrétien, D, and Terver, D. Real-Time biomonitoring of water contamination by cyanide based on analysis of the continuous electric signal emitted by a tropical fish: <i>Apteronotus albifrons</i> . <i>Water Research</i> 30(12); 3083-3091. 1996.		Biol. Method	Fish Exposed To KCN For Only 2 Hours. Monitored Electric Organ Discharges.
#106. Twerdok, Lorraine E; Burton, Dennis T; Gardner, Henry S; Shedd, Tommy R, and Wolfe, Marilyn J. The use of nontraditional assays in an integrated environmental assessment of contaminated ground water. <i>Environ. Toxicol. Chem.</i> 1997; 16(9):1816-1820.		Toxicant	Mixture: Toxicity Tests Performed on Contaminated Groundwater.
#107. Alabaster, J. S.; Shyrben, D,G and Mallett, M.J. The acute lethal toxicity of mixtures of cyanide and ammonia to smolts of salmon, <i>Salmo salar</i> L. at low concentrations of dissolved oxygen. <i>J. Fish Biol.</i> 1983; 22:215-222.	EcoRef# 10252 Table 5-1984 Doc	Duration	24 hr LC50, 5mg/L CO <sub>2</sub>
#108. Bahr, T.G. Electrophysiological reponses of the lateral line and heart to stresses of hypoxia, cyanide, and DDT in rainbow trout. Ph. D. Thesis, Michigan State University, East Lansing, MI 122 p. 1068.		Detail	Abstract

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#109. Bahr, T.G. Electrophysiological responses of trout to dissolved oxygen and cyanide. Bioasssy Tech. Environ. Chem., edited by Glass, Gary E. Ann Arbor Sci. Publ. Inc., Ann Arbor, Mich. Pp. 231-255. 1973.		Duration	Exposure period not reported. Non-traditional endpoints
#110. Bhunia, F.; Saha, N., Kaviraj, A. Toxicity of thiocyanate to fish, plankton, worm, and aquatic ecosystem. Bull. Environ. Contam. Toxicol. 2000; 64: 197-204.	EcoRef# 47566	Toxicant	Thiocyanate is not as toxic as CN.
#111. Bois, Y. and Leduc, G.; Investigations on the toxicokinetics of cyanide in juvenile rainbow trout ( <i>Salmo gairdneri</i> ). Can. Tech. Rep. Fish. Aquat. Sci. No. 1988; 1607: 110-111.	EcoRef# 4920	No Conc, Biomarker	Abstract
#112. Bridges, W.R. Sodium cyanide as a fish poison. Special Scientific report-Fisheries No. 253. February 1958.	EcoRef# 59760	Lethal Time	Time required for 100% mortality
#113. Broderius, S.J. 1973. Determination of molecular hydrocyanic acid in water and studies of the chemistry and toxicity to fish of metal-cyanide complexes. Diss. Abstr. Int. B. 34(3): 1018	EcoRef# 8778 Table 5-1984 Doc	No Conc, Lethal Time, Toxicant	One or few concentrations, LT50, Mixture.
#114. Broderius, S.J. and Smith Jr., L.L. 1977. Relationship between pH and acute toxicity of free cyanide and dissolved sulfide forms to the fathead minnow. 88-117.	EcoRef# 20219	Secondary	Same data as in Broderius et al. 1977. J. Fish Res. Board Can. 34(9):2323-2332.
#115. Brown, D.G.; Lanno, R.P.; Van Den Heuvel, M.R.; and Dixon, D.G. 1995. HPLC Determination of plasma thiocyanate concentrations in fish blood: Application to Laboratory pharmacokinetic and field-monitoring studies. Ecotoxicology and Environmental safety. 30:302-308.	EcoRef# 15312	Toxicant, Method	Thiocyanate
#116. Burdick, G.E. and Lipschuetz, M. 1950. Toxicity of ferro- and ferricyanide solutions to fish, and determination of the cause of mortality. Trans. Am. Fish. Soc. 18: 192-202.	EcoRef# 6304	Duration, Toxicant	Period of exposure was not reported.
#117. Burdick, G.E., Dean, H.J. and Harris, E.J. 1958. Toxicity of cyanide to brown trout and smallmouth bass. New York Fish and Game Journal. 5(2): 133-163.	EcoRef# 2454 Table 5-1984 Doc.	Lethal Time, Duration	1 hr exposure.
#118. Costa, H.H. 1965. Response of freshwater animals to sodium cyanide solutions. II. <i>Gammarus pulex</i> . Ceylon J. Sci., Biol. Sci. 1965. 5(2): 88-96.	EcoRef# 8055	Lethal Time, Duration	1 hr exposure.
#119. Costa, H.H. 1965. Response of freshwater animals to sodium cyanide solutions. III. Tadpoles of <i>Rana temporaria</i> . Ceylon J. Sci., Biol. Sci. 1965. 5(2): 97-104.	EcoRef# 8056	Lethal Time, Duration	1 hr exposure.

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#120. Costa, H.H. 1965. Response of freshwater animals to sodium cyanide solutions. I. Fish. Ceylon J. Sci., Biol. Sci. 1965. 5(2): 41-87.	EcoRef# 8054	Lethal Time, Duration	20 min exposure.
#121. Costa, H.H. 1966. The effect of exercise on the survival of <i>Phoxinus phoxinus</i> L. in sodium cyanide solutions. Hydrobiologia. 28: 241-251.	EcoRef# 10275	Lethal Time, Duration	1 hr exposure.
#122. Dauchy, J.W.; Waller, W.T. and Piwon, M.D. 1980. Acute toxicity of cyanate to <i>Daphnia magna</i> . Bull. Environ. Contam. Toxicol. 25(2): 194-196.	EcoRef# 5246	Toxicant	Cyanate
#123. Daugherty Jr, F.M.; and Garrett, J.T. 1951. Toxicity levels of hydrocyanic acid and some industrial by-products. Texas J. Sci. 3:391-396.	EcoRef# 933 Table 5-1984 Doc	Lethal Time	
#124. Davis, G.E. and Negilski, D.S. 1972. Independent and joint toxicity of cyanide, pentachlorophenol and zinc in model stream communities. Oregon State Univ. Environ Health Sci. Cen. Progress Re. 218-219.	EcoRef# 61784	Detail	Qualitative results.
#125. DeZwaan, A.; Cattan, O.; and Putzer, V.M. 1993. Sulfide and cyanide induced mortality and anaerobic metabolism in the acid blood clam <i>Scapharca inaequivalvis</i> . Comp. Biochem. Physiol. 105C (1): 49-54.	EcoRef# 8307	Lethal Time	
#126. Dixon, D.G. 1975. Some effects of chronic cyanide poisoning on the growth, respiration and liver tissue of rainbow trout. Masters of Science dissertation, Concordia University.	EcoRef# 17555	Secondary	Same data as in Dixon & Leduc 1981.
#127. Downing, K.M. 1954. The influence of dissolved oxygen concentration on the toxicity of potassium cyanide to rainbow trout. J. Exp. Biol. 31:161-164.	EcoRef# 13834	Lethal Time, Duration	48 hr LT for rainbow trout.
#128. Eagles, J.G. and Shostak, S. 1983. Influence of potassium thiocyanate on thyroid function of rainbow trout, <i>Salmo gairdneri</i> . Gen. Comp. Endocrinol. 51(1): 39-43.		Exposure	CN injected into fish.
#129. Fisher, W.K. and Gode, P. 1978. Die prufung von natriumaluminiumsilikaten als waschmittelzusatz auf toxizitat gegenuber wasserorganismen. Biochem. Lab., Henkel K.-G.a.A., Duesseldorf, Fed. Rep. Ger. 49: 11-26.		Unrelated	
#130. Fry, W.E.; and Millar, R.L. 1972. Cyanide degradation by an enzyme from <i>Stemphylium loti</i> . Arch. Biochem. Biophys. 151: 468-474.	EcoRef# 45487	Unrelated	

Article Number and Citation	Source	Rejection Code(s)	Comment
#131. Fujita, M.; Takabatake, E.; and Iwasaki, K. 1976. Effects of light, magnesium, and cyanide on accumulation of mercury by a fresh water diatom, <i>Synedra</i> . Bull. Environ. Contam. Toxicol. 16(2):164-172.	EcoRef# 19871	Unrelated	
#132. Gacsı, M.; Czegenyi, I.; Nagy, G. and Banfalvi, G. 2004. Survival of fish upon removal of cyanide from water. Environmental Research <i>in press</i>		No Conc., Duration, Lethal Time	Only one conc., short exposure time.
#133. Kobayashi, T.; and Mori, K. 1973. Occurrence of toxicity to fish by photodecomposition of complex cyanides. Mizu Shori Gijutsu. 14(6):575-579.	EcoRef# 8887	Foreign (Japanese)	Not able to decipher details
#134. Kobayashi, Y., and Yamada, T. 1978. Studies on the decrease of cyanide toxicity to fish by the addition of formalin. Mizu Shori Gijutsu. 19(7): 653-657.	EcoRef# 7076	Foreign (Japanese)	Not able to decipher details
#135. Gleeson, R.A. and Zubkoff, P.L. 1977. The determination of hemolymph volume in the blue crab <i>Callinectes sapidus</i> , utilizing <sup>14</sup> C-Thiocyanate. Comp. Biochem. Physio. 56A:411-413.	EcoRef# 68003	Exposure Toxicant, Biomarker	Thiocyanate injected.
#136. Goode, J.W.; Rausina, G.; Keplinger, M.L.; and Calandra, J.C. 1976. Acute static and subacute dynamic toxicity studies conducted with free and combined cyanide in rainbow trout and fathead minnows. Toxicol. Appl. Pharmacol. 37(1):118.	EcoRef# 8353	Detail	Abstract
#137. Granato, M. 1993. Cyanide degradation by water hyacinths, <i>Eichornia crassipes</i> (Mart.) Solms. Biotechnol. Lett. 15(10) 1085-1090.		Biomarker	No toxic effects.
#138. Heimback, F.; Jaeger, K. and Sporenberg, W. 1996. Fate and biological effects of polymeric MDI (4,4'-Diphenylmethane diisocyanate and homologs) in small artificial ponds. Ecotoxicol. Environ. Saf. 33(2): 143-153.	EcoRef# 16995	Unrelated	
#139. Heming, T.A. and Blumhagen, K.A. 1989. Factors influencing thiocyanate toxicity in rainbow trout <i>Salmo gairdneri</i> . Bull. Environ. Comtam. Toxicol. 43(3):363-369.	EcoRef# 794	Toxicant	Thiocyanate
#140. Herbert, D.W.M and Merkens, J.C. 1952. The toxicity of potassium cyanide to trout. J. Exp. Biol. 29:632-649.	EcoRef# 8004 Table 5-1984 Doc	Lethal Time, Duration	Exposure periods excessively short (hours and minutes).
#141. Herbert, D.W.M. and Downing, K.M. 1955. A further study of the toxicity of potassium cyanide to rainbow trout ( <i>Salmo gairdnerii</i> Richardson). Ann. Appl. Biol. 43(2): 237-242.	EcoRef# 8003	Lethal Time, Duration	Exposure periods excessively short (hours and minutes).

Article Number and Citation	Source	Rejection Code(s)	Comment
#142. Holden, B.A. and Marsden, K. 1964. Cyanide in salmon and brown trout. Fish. Res. Ser. 33: 12.	EcoRef# 13986	Duration, Biomarker	Exposure periods excessively short (< 1 hr).
#143. Hossain, M.A. and Jauncey, K. 1988. Toxic effects of glucosinolate ( <i>Allyl isothiocyanate</i> ) (synthetic and from mustard oilcake) on growth and food utilization in common carp. Indian J. Fish. 35(3): 186-196.	EcoRef# 17300	Toxicant	Isothiocyanate
#144. Kevan, S.D and Dixon, D.G. 1991. The acute toxicity of pulse-dosed thiocyanate (as KSCN and NaSCN) to rainbow trout ( <i>Oncorhynchus mykiss</i> ) eggs before and after water hardening. Aquatic Toxicology. 19:113-122.	EcoRef# 3632	Toxicant, Duration	Thiocyanate, 3 hr exposure.
#145. Kevan, S.D and Dixon, D.G. 1996. Effects of age and coion (K <sup>+</sup> and Na <sup>+</sup> ) on the toxicity of thiocyanate to rainbow trout ( <i>Oncorhynchus mykiss</i> ) during pulse or continuous exposure. Ecotoxicol. Environ. Saf. 35(3): 288-293.	EcoRef# 19515	Toxicant	Thiocyanate
#146. Kovacs, T. G. and Leduc, G. 1979. Concentration dependence of the acute toxicity of hydrogen cyanide to rainbow trout acclimatized and tested at different temperatures. Fish. Mar. Serv. Tech. Rep. p. 129.	EcoRef# 13911	Detail	Abstract
#147. Lambowitz, A.M. and Slayman, C.W. 1971. Cyanide-Resistant respiration in <i>Neurospora crassa</i> . Journal of Bacteriology. 108(3):1087-1096.	EcoRef# 51319	Biomarker	Cyanide respiration
#148. Lanno, R.P. 1990. The chronic toxicity of thiocyanate to rainbow trout and fathead minnow. Environ. Sci. 53(2):755-B.	EcoRef# 7165	Detail	Abstract
#149. Lanno, R.P. and Dixon, D.G. 1991. The induction of lethality in rainbow trout exposed to thiocyanate by applications of a stressor: acute or chronic response? Proc. 17 <sup>th</sup> Aquatic toxicity workshop. Nov 5-7, 1990, Vancouver B.C. Vol1:241-242.	EcoRef# 8793	Toxicant	Thiocyanate
#150. Lanno, R.P. and Dixon, D.G. 1991. Chronic effects of thiocyanate in fathead minnows: A model for the effects of a waterborne antithyroid on reproduction in fish. Proc. 17 <sup>th</sup> Aquatic toxicity workshop. Nov 5-7, 1990, Vancouver B.C. Vol. 1: 496-500.	EcoRef# 8796	Toxicant	Thiocyanate
#151. Lanno, R.P. and Dixon, D.G. 1994. Chronic toxicity of waterborne thiocyanate of the fathead minnow ( <i>Pimephales promelas</i> ): A partial life-cycle study. Environ. Tox. Chem. 13(9): 1423-1432.	EcoRef# 13508	Toxicant	Thiocyanate
#152. Lanno, R.P. and Dixon, D.G. 1996. Chronic toxicity of waterborne thiocyanate to rainbow trout ( <i>Oncorhynchus mykiss</i> ). Can. J. Fish. Aquati. Sci. 53(9):2137-2146.	EcoRef# 18248	Toxicant	Thiocyanate

Article Number and Citation	Source	Rejection Code(s)	Comment
#153. Leduc, G. 1978. Deleterious effects of cyanide on early life stages of Atlantic salmon ( <i>Salmo salar</i> ). J. Fish. Res. Board. Can. 35:166-174.	EcoRef# 8385 Table 5-1984 Doc	Nominal	CN not measured in chronic study. No statistics to determine effect level.
#154. Leduc, G.; Gravel, Y.; Seguin, L-R.; Vincent, B.; and Guibert, F. 1973. The use of sodium cyanide as a fish eradicant in some Quebec lakes Naturaliste Can. 100:1-10.	EcoRef# 61916	No Conc	Only one concentration.
#155. Lewis, W.M. and Tarrant, Jr, R.M. 1960. Sodium cyanide in fish management and culture. Prog. Fish. Cult. 22(4):177-180.	EcoRef# 10287	No Conc	Only one concentration.
#156. Loppes, R. 1967. Sensitivity to cyanide after alkylation in <i>Chlamydomonas reinhardtii</i> . Radial. Bol. 7:491-495.	EcoRef# 51638	Toxicant	Mixture
#157. Low, K.S. and Lee, C.K. 1981. Cyanide uptake by water hyacinths, <i>Eichhornia crassipes</i> (Mart) Solms. Pertanika. 4(2):122-128.	EcoRef# 4078	Biomarker, Steady	No toxic effects.
#158. Ludzack, F.J.; Schaffer, R.B., Bloomhuff, R.N.; and Ettinger, M.B. 1958. Biochemical oxidation of some commercially important organic cyanides. Sewage Indust. Wastes. 31(1): 33-44.	EcoRef# 65484	Toxicant, Biomarker	Unsuitable forms of CN. No adverse effects.
#159. Maas-Diepeveen, J.L. and Leeuwan, C.J. 1988. Toxicity of Methylenebisthiocyanate (MBT) to several freshwater organisms. Bull. Environ. Contam. Toxicol. 40(4):517-524.	EcoRef# 5757	Toxicant	Methylenebisthiocyanate
#160. Meyn, E.L.; Zajdel, R.K.; and Thurston, R.V. 1984. Acute toxicity of ferrocyanide and ferricyanide to rainbow trout ( <i>Salmon gairdneri</i> ). June. Fisheries Bioassay lab, MT State Univ., Tech. Report 84-1.	EcoRef# 12029	Toxicant	Mixture
#161. Morton, W. 1978. The effects of sub-lethal doses of valinomycin, gramicidin D and m-Chlorocarbonylcyanidephenylhydrazone (CCP) on the heat resistance of the goldfish, <i>Carassius auratus</i> L. Comp. Bioche. Physiol. 59c(1):1-4.	EcoRef# 15854	Toxicant	CCP
#162. Murachi, S.; Nanba, K. and Takeuchi, Y. 1978. Relationship between the concentration of cyanide ion detected in carp and that in environmental water. J. Fac. Fish. Anim. Husb. Hiroshima Univ. 17(2):199-206.	EcoRef# 15948	Duration	Short exposure period (1-3 hrs).
#163. Nagasawa, K. Koshimur, E. and Eukoda, H. LD50 and ED50 of parathion and potassium cyanide and their bioassay using guppies ( <i>Lebistes reticulatus</i> ). 1968. Bull. Nat. Inst. 86:32-36	EcoRef# 5533	Duration	Short exposure period (< 10 hrs).

Article Number and Citation	Source	Rejection Code(s)	Comment
#164. Negilski, D.S. Individual and combined effects of cyanide, pentachlorophenol and zinc on juvenile Chinook salmon and invertebrates in model stream communities. M.S. thesis, Oregon State Univ. Corvallis, OR. 1973. 80p	EcoRef# 15432 Table 5-1984 Doc	No Conc	Only one concentration in each experiment.
#165. Nehring, D. 1964. The toxicity of copper sulfate, zinc sulfate, potassium cyanide, ammonia and phenol against carp ( <i>Cyprinus carpio</i> ) from water and by oral application). Z. Fischerei 12(8/10): 717-724	EcoRef# 10022	Toxicant	Mixture
#166. Parker, W.R.; Doe, K.G., and Vaughan, J.D.A. 1988. The acute lethality of potassium cyanate and potassium thiocyanate to rainbow trout as influenced by water hardness and pH. Can. Tech. Rep. Fish. Aquat. Sci. 1607:171-172	EcoRef# 4914	Detail	Abstract
#167. Ponomareva, A.K. 1974. Cyanide-resistant mutants of <i>Scenedesmus obliquus</i> and <i>S. acuminatus</i> induced with N-nitrosomethylurea. Tr. Biol. Inst. Akad. Nauk SSSR. Sit. Otd. 27:74-78.	EcoRef# 8677	Foreign (Russian)	Not able to decipher details
#168. Raymond, P.; Leduc, G.; and Kornblatt, J.A. 1986. Investigation of toxicodynamic study of cyanide and its biotransformation in rainbow trout ( <i>Salmo gairdneri</i> ). Can. J. Fish. Aquat. Sci. 43(10):2017-2024.	EcoRef# 11991	Biomarker	Toxic effects on organisms were not demonstrated.
#169. Ruby, S.M.; Idler, D.R. and So, Y.P. 1986. The effects of sublethal cyanide exposure of plasma vitellogenin levels in rainbow trout ( <i>Salmo gairdneri</i> ) during early vitellogenesis. Arch. Environ. Contam. Toxicol. 15:603-607.	EcoRef# 11995	Biomarker, No Conc	Toxic effects on organisms were not demonstrated. Only one concentration.
#170. Ruby, S.M.; Idler, D.R.; and So, Y.P. 1993. Plasma vitellogenin, 17 $\alpha$ -estradiol, T <sub>3</sub> and T <sub>4</sub> levels in sexually maturing rainbow trout <i>Oncorhynchus mykiss</i> following sublethal HCN exposure. Aquatic Toxicology. 26:91-102.	EcoRef# 8260	Biomarker, No Conc.	Toxic effects on organisms were not demonstrated. Only one concentration.
#171. Ruby, S.M.; Idler, D.R.; and So, Y.P. 1987. Changes in Plasma, liver, and ovary vitellogenin in landlocked Atlantic salmon following exposure to sublethal cyanide. Arch. Environ. Contam. Toxicol. 16:507-510.	EcoRef# 12589	Biomarker, No Conc.	Toxic effects on organisms were not demonstrated. Only one concentration.
#173. Schultz, T.W.; and Comeaux, J.L. Structure-Toxicity relationships: For <i>Tetrahymena pyriformis</i> . Bull. Environ. Contam. Toxicol. 56: 638-642.	EcoRef# 16582	Toxicant	Aliphatic isothiocyanates
#174. Smith, M.J. and Health, A.G. Acute toxicity of copper, chromate, zinc, and cyanide to freshwater fish: effect of different temperatures. Bull. Environ. Contam. Toxicol. 1979. 22(1-2):113-119.	EcoRef# 5418	Duration	24 hr LC50 for fish.

Article Number and Citation	Source	Rejection Code(s)	Comment
#175. Southgate, B.A.; Pentelow, F.T.K; Bassindale, R. CXXVII. 1933. The toxicity to trout of potassium cyanide and p-cresol in water containing different concentrations of dissolved oxygen. Vol. 27: 983-985.	EcoRef# 66497	No Conc	Only one concentration; only 1 or 2 animals in some treatments.
#176. Speyer, M.R. and Raymond, P. The acute toxicity of thiocyanate and cyanate to rainbow trout as modified by water temperature and pH. Environ. Toxicol. Chem. 1988. 7(7): 565-571.	EcoRef# 6015	Toxicant	Thiocyanate
#177. Stearns, F.M.; DeMalo, R.A; and Eichel, H.J. Occurrence of cyanide-resistant respiration and of increased concentrations of cytochromes in tetrahymena cells grown with various metals. Fed. Proc. 1978. 37:151 (ABS).	EcoRef# 14099	Detail, in vitro	Abstract
#178. Tanaka, O; and Cleland, C.F. Influence of ferricyanide on flowering in lemna. Plant Physiol. 1978. 61(suppl.):52 (ABS).	EcoRef# 65964	Biomarker	No adverse effects.
#179. Tong, Z.; and Hongjun, J. Use of duckweed ( <i>Lemna minor L.</i> ) growth inhibition test to evaluate the toxicity of acrylonitrile, sulphocyanic sodium and acetonitrile in China. Environ. Pollut. 1997. 98(2):143-147.		Toxicant	Sulphocyanic sodium
#180. Tscheu-Schluter, M., On the toxicity of simple and complex cyanides to aquatic organisms. Acta Hydrochim. Hydrobiol. 1983. 11(2):169-176.	EcoRef# 12314	Duration	24 hr LC50 CN for a fish/ foreign language.
#181. Towill, L.E.; Drury, J.S.; Whitfield, B.L.; et al. Reviews of the environmental effects of pollutants: V. Cyanide. U.S. EPA Mid-continent ecology division library Duluth, MN 55804. 1978.	EcoRef# 54913	Secondary	No original data.
#183. Usuki, I. A comparison of the effects of cyanide and azide on the ciliary activity of the oyster gill. Tohoku Daigaku Rika Hokoku, Dai 4-Shu. 1956. 22(3):137-142.	EcoRef# 15369 Table 5-1984 Doc	Duration	Short exposure time (4 hr).
#184. Watson, S.J. and Maly, E.J. Thiocyanate toxicity to <i>Daphnia magna</i> : Modified by pH and temperature. Aquat. Toxicol. 1987. 10(1):1-8.	EcoRef# 12606	Toxicant	Thiocyanate
#185. Wilde, CH.E.; and Crawford, R.B. Cellular differentiation in the anamniota. Experimental cell research. 1966. 44:471-488.	EcoRef# 14359	Toxicant	Mixture
#186. Wuhrmann, K and Woker, H. Contributions to the toxicology of fishes. II. Experimental investigations on ammonia and hydrocyanic acid poisoning. Schweiz. J. Hydrol. 1948. 11:210-244.	EcoRef# 2481	Lethal Time	Short exposure periods (minutes).

Article Number and Citation	Source	Rejection Code(s)	Comment
#187. Wuhrmann, K and Woker, H. On the toxic effects of ammonia and cyanide solutions of fish at different oxygen tensions and temperatures. Schweiz. J. Hydrol. 1953. 15:235-260.	EcoRef# 2477	Lethal Time	Short exposure periods.
#188. Black, H. H., McDermott, G. N., Henderson, C., Moore, W. A., and Pahren, H. R. 1957. Industrial Waste Guide - By-Product Coke. Proc. 11th Ind. Waste Conf. Purdue University 41, 494-527.	EcoRef# 2455 Table 5-1984 Doc	Toxicant	Mixture
#189. Duplicate of #188			
#190. Bringmann, G. and Kuhn, R. 1978. Investigation of Biological Harmful Effects of Chemical Substances Which are Classified as Dangerous for Water on Protozoa. Z.Wasser-Abwasser-Forsch. 11(6):210-215, TR-80-0307, Literature Research Company, 13 p.	EcoRef# 6601 Table 5-1984 Doc	Duration	24 hr LC50 for <i>D. magna</i> .
#191. Bringmann, G. and Kuhn, R. 1980. Determination of the Harmful Biological Effect of Water Pollutants to Bacteria, Algae, and Protozoa in the Cell Multiplication Inhibition Test. Z.Wasser-Abwasser-Forsch. 13[1], 26-31.	EcoRef# 6791 Table 5-1984 Doc.	Secondary	Same data as in Bringmann & Kuhn 1978 (English translation).
#192. Bringmann, G., Kuhn, R., and Winter, A. 1980. Determination of Biological Damage From Water Pollutants to Protozoa. III. Saprozoic Flagellates. Z.Wasser-Abwasser-Forsch. 13[5], 170-173.	EcoRef# 5719 Table 5-1984 Doc	Foreign (German)	Not able to decipher details
#193. Bringmann, G. and Kuhn, R. 1981. Comparison of the effect of toxic substances on the flagellate organisms such as ciliates and the holozoic bacteria-devouring organisms such as. Gwf-Wasser Abwasser 122[7], 308-313.	EcoRef# 720 Table 5-1984 Doc	Foreign (German)	Not able to decipher details
#194. Broderius, S. J. 1970. Determination of molecular hydrocyanic acid in water and studies of the chemistry and toxicity to fish of the nickelocyanide complex. M.S.Thesis, Oregon State University, Corvallis, O R, -74.	EcoRef# 5585 Table 5-1984 Doc	No Conc, Lethal Time	
#195. Brown, V. M. 1968. The calculation of the acute toxicity of mixtures of poisons to rainbow trout. Water Res. 2(10), 723-733.	EcoRef# 8317 Table 5-1984 Doc	Duration	48 hr LC <sub>50</sub>
#196. Burdick, G. E., Dean, H. J., and Harris, E. J. 1958. Toxicity of cyanide to brown trout and smallmouth bass. N.Y.Fish Game J. 5[2], 133-163.	EcoRef# 2454	Lethal Time, Duration	Most of reported mortality occurred in less than 24 hrs (1440 min).

Article Number and Citation	Source	Rejection Code(s)	Comment
#197. Carter, L. 1962. Bioassay of trade wastes. Nature 196, -1304.	EcoRef# 14103 Table 5- 1984 Doc	Duration	Short exposure period (300 minutes).
#198. Cheng, S. K. and Ruby, S. M. 1981. Effects of pulse exposure to sublethal levels of hydrogen cyanide on reproduction of american flagfish. Arch.Environ.Contam.Toxicol.10(5):105-116 / In: J.F.Klaverkamp, S.L.Leonhard, and K.E.Marshall (Eds.), Proc.6th Annual Aquatic Toxicity Workshop, Nov.6-7, 1979, Winnipeg, Manitoba, Can.Tech.Rep.Fish. 105-116.	EcoRef# 15153 Table 5- 1984 Doc.	Duration	10 day exposure- other more appropriate data are available for species chronic
#199. Da Costa, H. and Ruby, S. M. 1984. The effect of sublethal cyanide on vitellogenic parameters in rainbow trout <i>Salmo gairdneri</i> . Arch. Environ. Contam. Toxicol. 13(1), 101-104.	EcoRef# 10059	Biomarker	Non-traditional endpoint.
#200. Department of Scientific and Industrial Research. 1956. Water Pollution Research 1955. Dep.Sci.Ind.Res., Water Pollut.Res., London.	EcoRef# 70465 Table 5- 1984 Doc	Lethal Time, Duration	Short exposure periods (hours - minutes).
#201. Fitzgerald, G. P., Gerloff, G. C., and Skoog, F. 1952. Studies on chemicals with selective toxicity to blue-green algae. Sewage Ind.Wastes 24[7], 888-897. 19979.	EcoRef# 49209 Table 4- 1984 Doc.	Duration	<96 hr test for algal species. CN not measured.
#202. Doudoroff, P., Leduc, G., and Schneider, C. R. 1966. Acute Toxicity to Fish of Solutions Containing Complex Metal Cyanides, in Relation to Concentrations of Molecular Hydrocyanic Acid. Trans.Am.Fish.Soc. 95[1], 6-22.	EcoRef# 15352 Table 5- 1984 Doc	Lethal Time, Duration	Short exposure periods (hours).
#203. Jones, J. R. E. 1947. The oxygen consumption of <i>Gasterosteus aculeatus</i> L. in toxic solutions. J.Exp.Biol. 23, 298-311.	EcoRef# 2583 Table 5- 1984 Doc.	Duration	Short exposure periods (hours and minutes).
#204. Karsten, A. 1934. Investigation of the effect of cyanide on black hills trout. Black Hills Engineer 22[3], 145-175.	EcoRef# 10289 Table 5- 1984 Doc	Lethal Time, Duration	Short exposure periods (minutes)
#205. Leduc, G. 1966. Some physiological and biochemical responses of fish to chronic poisoning by cyanide. Ph.D.Thesis, Oregon State University, Corvallis, O R, -146.	EcoRef# 9871 Table 5- 1984 Doc	Detail	Statistics on endpoints? Were exposure periods measured?

Article Number and Citation	Source	Rejection Code(s)	Comment
#206. Leduc, G. 1978. Deleterious effects of cyanide on early life stages of atlantic salmon ( <i>Salmo salar</i> ). J.Fish.Res.Board Can. 35, 166-174.	EcoRef# 8385 Table 5-1984 Doc	Nominal	Data not used - unmeasured concentration in long term exposures
#207. Leduc, G. and Chan, K. K. S. 1975. The effects of chronic cyanide poisoning on the tolerance of rainbow trout to varying salinity. Water Pollut.Res.Can. 10, 118-125.	EcoRef# 15843 Table 5-1984 Doc	Biomarker	Only indirect evidence of adverse effects
#208. Lesniak, J. A. 1977. A histological approach to the study of sublethal cyanide on rainbow trout ovaries. M.S.Thesis, Concordia University, Montreal, Can., -167.	EcoRef# 10349 Table 5-1984 Doc	No Conc	Only 2 concentrations of cyanide.
#209. Lesniak, J. A. and Ruby, S. M. 1982. Histological and quantitative effects of sublethal cyanide exposure on oocyte development in rainbow trout. Arch.Environ.Contam.Toxicol. 11(3), 343-352.	EcoRef# 15398 Table 5-1984 Doc	No Conc	Exposure to only 2 conc. of cyanide.
#210. Lipschuetz, M. and Cooper, A. L. 1955. Comparative toxicities of potassium cyanide and potassium cuprocyanide to the western black-nosed dace ( <i>Rhinichthys atratulus Meleagris</i> ). N.Y.Fish Game J. 2[2], 194-204.	EcoRef# 10296 Table 5-1984 Doc	Lethal Time, Duration	Short exposure periods (< 1day).
#211. McCracken, I. R. and Leduc, G. 1980. Allometric growth response of exercised rainbow trout to cyanide poisoning. In: J.G.Eaton, P.R.Parrish, and A.C.Hendricks (Eds.), aquatic toxicology and hazard assessment, 3rd symposium, ASTM STP 707, Philadelphia, PA , 303-320	EcoRef# 9855 Table 5-1984 Doc	No Conc	Only one concentration.
#212. Morgan, W. S. G. and Kuehn, P. C. 1974. A method to monitor the effects of toxicants upon breathing rate of largemouth bass ( <i>Micropterus salmoides Lacepede</i> ). Water Res. 8[1], 67-77 (Author Communication Used).	EcoRef# 15362 Table 5-1984 Doc	Biomarker	No direct evidence of toxic effects on organisms.
#213. Morgan, W. S. G. 1979. Fish Locomotor Behavior Patterns as a Monitoring Tool. J.Water Pollut.Control Fed. 51[3], 580-589.	EcoRef# 131 Table 5-1984 Doc	Duration, Biomarker	24 hr EC60 for a fish. No direct evidence of toxic effects on organisms.
#214. Neil, J. H. 1957. Some Effects of Potassium Cyanide on Speckled Trout ( <i>Salvelinus fontinalis</i> ). In: Proc.4th Ontario Ind.Waste Conf., Ontario Water Resour.Comm., Toronto, Canada, 74-96.	EcoRef# 14119 Table 5-1984 Doc	Lethal Time	

Article Number and Citation	Source	Rejection Code(s)	Comment
#215. Nelson, E. B. and N.E. Tolbert. 1970. Glycolate dihydrogenase in green algae. Arch. Biochem. Biophys. 141: 102.	Table 5-1984 Doc	Biomarker	No direct evidence of toxic effects on organisms.
#216. Ruby, S. M., Dixon, D. G., and Leduc, G. 1979. Inhibition of spermatogenesis in rainbow trout during chronic cyanide poisoning. Arch. Environ. Contam. Toxicol. 8(5), 533-544.	EcoRef# 15436 Table 5-1984 Doc	No Conc	Only two concentrations tested.
#217. Speyer, M. R. 1975. Some effects of chronic combined arsenic and cyanide poisoning on the physiology of rainbow trout. M.S.Thesis, Concordia Univ., Montreal, Can.:76 p.; In: Int.Conf.on Heavy Metals in the Environment, Abstracts, Institute for Environmental Studies, University of Toronto, Ontario, Canada:C17-C19.	EcoRef# 14817 Table 5-1984 Doc	No Conc, Toxicant	Only one conc. of cyanide with no arsenic.
#218. Turnbull, H., Demann, J. G., and Weston, R. F. 1954. Toxicity of various refinery materials to fresh water fish. Ind. Eng. Chem. 46[2], 324-333.	EcoRef# 922 Table 5-1984 Doc	Duration	48 hr tolerance limit (TL) for bluegill sunfish. More rigorous data (F, M, 96 hr LC50) are available.
#219. Abrol, Y.P. and Conn, E.E. 1966. Studies on cyanide metabolism in <i>Lotus Arabicus</i> L. and <i>Lotus Tenuis</i> L. Phytochemistry. 5:237-242.	EcoRef# 46335	Biomarker	
#220. Alam, M.I. and Israelstam, G.F. 1975. Photosynthesis and respiration of plants showing anomalous growth response to cyanide. Z.Pflanzenphysiol. 75:25-7530.	EcoRef# 45489	Biomarker	No toxic effects.
#221. Alstrom, S. and Burns, R.G. 1989. Cyanide production by rhizobacteria as a possible mechanism of plant growth inhibition. Biol Fertil Soils. 7:232-238.	EcoRef# 46948	Exposure	Distilled water exposure medium
#222. Ballantyne, B., Bright, J., Swanston, D.W. and Williams, P. 1972. Toxicity and distribution of free cyanides given intramuscularly. Med. Sci. Law. 12(3):209-219.	EcoRef# 46422	Exposure	Lethal injection
#223. Bissey, R. and Butler, O. 1934. Effect of applications of sodium chlorate and ammonium thiocyanate on subsequent sowings of wheat. Journal of the American Society of Agronomy 26: 838-846.	EcoRef# 41951	Toxicant	Ammonium thiocyanate
#224. Blumenthal-Goldschmidt, S., Butler, G. W., and Conn, E. E. 1963. Incorporation of hydrocyanic acid labelled with carbon-14 into asparagine in seedlings. Nature. 197(4): 718-719.	EcoRef# 45490	Biomarker	
#225. Bokarev, K.S. and Satarova, N.A. 1957. Effect of salts of thiocyanic acid and thiourea on potato tubers. Timiryazev Institute of Plant Physiology, USSR Academy of Scienc, Moscow.		Toxicant	Thiocyanic acid

Article Number and Citation	Source	Rejection Code(s)	Comment
#226. Bond, E. J. 1961. The action of fumigants on insects: II. The effects of hydrogen cyanide on the activity and respiration of certain insects. Can. J. Zool. 39(12): 437-444.	EcoRef# 46421	No Conc	Only one conc. used in O <sub>2</sub> consumption experiment-no indication steady state was reached.
#227. Bond, E. J. 1961. The action of fumigants on insects: I. The uptake of hydrogen cyanide by <i>Sitophilus granarius</i> (L.) During Fumigation. Can. J. Zool. 39: 427-436	EcoRef# 3852	Steady	Test conc. for BCF determination too high; no indication steady-state was reached.
#228. Bond, E. J. The action of fumigants on insects: III. The fate of hydrogen cyanide in <i>Sitophilus granarius</i> (L.). Can. J. Biochem. Physiol. 39(12): 1793-1802.	EcoRef# 46056	No Conc	Only one conc. used in O <sub>2</sub> consumption experiment-no indication steady state was not reached.
#229. Borek, V., Elberson, L. R., McCaffrey, J. P., and Morra, M. J. Toxicity of rapeseed meal and methyl isothiocyanate to larvae of the black vine weevil (Coleoptera: Curculionidae). J. Econ. Entomol. 90(1), 109-112. 97.	EcoRef# 64065	Toxicant	Methyl Isothiocyanate
#230. Bose, M., Vachhrajani, K. D., Jha, B. S., and Dutta, K. K. 1994. Methyl isocyanate induced morphological changes in the seminiferous epithelium of rats maintained on normal or protein deficient diets. Bull. Environ. Contam. Toxicol. 52: 656-661.	EcoRef# 39534	Toxicant	Methyl Isocyanate
#231. Brown, W. E., Wood, C. D., and Smith, A. N. 1960. Sodium cyanide as a cancer chemotherapeutic agent. 80, 907-918	EcoRef# 3852	Unrelated	Injection/mixtures
#233. Brattsten, L. B., Samuelian, J. H., Long, K. Y., Kincaid, S. A., and Evans, C. K. 1983. Cyanide as a feeding stimulant for the southern armyworm, <i>Spodoptera eridania</i> . 8, 125-132.	EcoRef# 67362	Unrelated	Dietary effects on terrestrial insects
#234. Carlson, R. F. and Moulton, J. E. 1948. Use of the ammonium salt of trichloroacetate, the sodium salt of trichloroacetate, ammonium thiocyanate, and herbicide 'Pb', in the eradication of grasses, and the effect of these chemicals on strawberry and raspberry plants. 30(4), 413-420.	EcoRef# 40732	Toxicant	Ammonium Thiocyanate
#235. Chong, C., Kanakis, A. G., and Bible, B. B. 1982. Influence of growth regulators on ionic thiocyanate content of cruciferous vegetable crops. 107, 586-589.	EcoRef# 25655	Unrelated	
#236. Connolly, A. K., Price, S. C., Connelly, J. C., and Hinton, R. H. 1988. Early changes in bile duct lining cells and hepatocytes in rats treated with alpha-naphthylisothiocyanate. 93(2), 208-219.	EcoRef# 72371	Toxicant	Naphthylisothiocyanate
#237. Coop, I. E. and Blakley, R. L. 1949. The metabolism and toxicity of cyanides and cyanogenetic glucosides in sheep: I. Activity in the rumen. 30, 277-291.	EcoRef# 46292	Biomarker	No toxic effects

Article Number and Citation	Source	Rejection Code(s)	Comment
#238. Dale, J. E. 1986. Decline in phytotoxicity of benzyl isothiocyanate formulated as granules. 34(2), 325-327.	EcoRef# 31385	Toxicant	Benzyl Isothiocyanate
#239. Davis, G. E. 1972. Independent and joint toxicity of cyanide, pentachlorophenol and zinc in model stream communities. 218-219.	EcoRef# 61784	Unrelated	No dose
#240. De Leon, D., Salas, B., and Figarella, J. 1973. Hydrocyanic acid poisoning in dairy cows - A Case Report. 106-107.	EcoRef# 48580	No Conc	
#241. Denny, F. E. 1931. The effect of thiocyanates upon amylase activity. I. Potato Amylase. 3, 277-286.	EcoRef# 41941	Toxicant	Thiocyanate
#242. Denny, F. E. 1931. The Effect of Potassium Cyanide Upon the Amylase Activity of Potato Juice. 3, 297-308.	EcoRef# 41940	Biomarker	
#243. Dudley, H. C. and Neal, P. A. 1942. Toxicology of acrylonitrile (Vinyl Cyanide): I. A Study of the Acute Toxicity. 24(2), 27-36.	EcoRef# 46423	Toxicant	Vinyl cyanide
#244. Dudley, H. C., Sweeney, T. R., and Miller, J. W. 1942. Toxicology of acrylonitrile (Vinyl Cyanide): II. Studies of Effects of Daily Inhalation. 24(9), 255-258.	EcoRef# 48838	Toxicant	Vinyl cyanide
#245. Dustman, R. B., Meade, R. C., and Fish, V. B. 1948. Pectic content of apples in relation to thiocyanate sprays. 23, 142-148.	EcoRef# 29139	Toxicant	Thiocyanate spray (mixture)
#246. Egekeze, J. O. and Oehme, F. W. 1980. Cyanides and their toxicity: A literature review. 2(2), 104-114.	EcoRef# 68951	Secondary	Literature review
#247. Egekeze, J. O. and Oehme, F. W. 1980. Cyanides and their toxicity: A literature review. 2(2), 104-114.	EcoRef# 68951	Secondary	Duplicate
#248. Elzubeir, E. A. and Davis, R. H. 1988. Effect of dietary sodium nitroprusside as a source of cyanide on the selenium status of chicks given diets of varying selenium concentration. 29(4), 769-777.	EcoRef# 58913	Toxicant, Unrelated	
#249. Fowden, L. and Bell, E. A. 1965. Cyanide metabolism by seedlings. 206, 110-112.	EcoRef# 45485	Toxicant	Parent compound not measured
#250. Fry, W. E. and Millar, R. L. 1972. Cyanide degradation by an enzyme from <i>Stemphylium loti</i> . 151, 468-474.	EcoRef# 45487	Unrelated Biomarker	No toxic effects
#251. Goldstein, F. and Rieders, F. 1951. Formation of cyanide in dog and man following administration of thiocyanate. 167, 47-51.	EcoRef# 46289	Toxicant	Thiocyanate

Article Number and Citation	Source	Rejection Code(s)	Comment
#252. Grigsby, B. H. and Ball, C. D. 1952. Some effects of herbicidal sprays on the hydrocyanic acid content of leaves of wild black cherry ( <i>Prunus serotina</i> Ehrh). 6, 327-330.	EcoRef# 49747	Biomarker	No toxic effects
#253. Hanes, C. S. and Barker, J. 1931. The Physiological Action of Cyanide. I. The Effects of Cyanide on the Respiration and Sugar Content of the Potato at 15 Degrees C. 108, 95-118.	EcoRef# 26862	Air Pollution	
#254. Hansen, J.D.; Hara, A.H; and Chan Jr., H.T. 1991. Efficacy of Hydrogen cyanide fumigation as a treatment for pests of Hawaiian cut flowers and foliage after harvest. J. Econ. Entomol. 84(2): 532-536		Air Pollution	
#255. Harvey, R. B. Ammonium Thiocyanate as a Weed Eradicant. J. Amer. Soc. Agron. 23(11), 944-946.	EcoRef# 59459	Toxicant	Thiocyanate
#256. Academy of Natural Sciences. 1960. The sensitivity of aquatic life to certain chemicals commonly found in industrial wastes. Final Report No.RG-3965(C2R1), U.S.PUBLIC Health Service Grant, Academy of Natural Sciences, Philadelphia, PA , 89 p.	EcoRef# 5683 Table 4-1984 Doc.	Variable Exposure	Excessive loss of CN in static exposures.
#257. Amodei, M. and Azzoni R. 1991. Use of <i>Daphnia magna</i> in detecting drinking water emergencies. Quad. Ist. Ric. Acques. 93: 1-10.		Duration	More appropriate data available for this species.
#258. Scott, K. J., Yevich, P. P., and Boothman, W. S. 1982. Toxicological methods using the benthic amphipod <i>Ampelisca abdita</i> mills. U.S.EPA, Narragansett, RI:23 p.	EcoRef# 3741	Unrelated	Report does not contain data on cyanide.
#259. Kihlman, B. A. 1957. Experimentally induced chromosome aberrations in plants: I. The production of chromosome aberrations by cyanide and other heavy metal complexing agents. J. Biophysic. and Biochem. Cytol. 3(3): 363-380.	EcoRef# 45493	Air Pollution	
#260. Hendricks, S. B. and Taylorson, R. B. 1972. Promotion of seed germination by nitrates and cyanides. Nature. 237: 169-170.	EcoRef# 45491	Tox.	Sodium thiocyanate
#261. Hunt, B. J. and Taylor, A. O. 1976. Hydrogen cyanide production by field-grown sorghums. N.Z. J. Exper. Agric. 4: 191-194.	EcoRef# 50415	No Conc	Potentially useful, but no dose for LD50 calculation of sarghums to cows
#262. Hurst, E. W. 1940. Experimental demyelination of the central nervous system: I. The encephalopathy produced by potassium cyanide. 18, 201-223.	EcoRef# 46296	Exposure	Injection

Article Number and Citation	Source	Rejection Code(s)	Comment
#263. Hurst, E. W. 1942. Experimental demyelination of the central nervous system. 3. Poisoning with potassium cyanide, sodium azide, hydroxylamine, narcotics, carbon monoxide, etc., with some consideration of bilateral necrosis occurring in the basal nuclei. Australian J. Exper. Biol. Med. Sci. 20(4): 297-312.	EcoRef# 50428	Exposure	Injection
#264. Isom, G. E., Liu, D. H. W., and Way, J. L. 1975. Effect of sublethal doses of cyanide on glucose catabolism. Biochem. Pharmacol. 24: 871-875.	EcoRef# 46297	Exposure	Injection
#265. Israelstam, G. F. 1970. Elongation of wheat leaves in response to cyanide in the presence and absence of iron. Can. J. Biol. 48: 2017-2019.	EcoRef# 45492	Not Aqueous	Terrestrial plant exposed via artificial nutrient medium. Wheat seeds ( <i>triticum vulgare</i> ) 10-day renewal medium: hoaglands nutrient medium (for plant culture without soil hydroponic)
#266. James, W. O. and Hora, F. B. 1940. The effect of cyanide on the respiration of barley. Annals of Botany, N.S. 4: 107-118.	EcoRef# 42205	Not Aqueous; No NOEC	Acidified medium (pH 4.6) test concentrations not easily estimated as expressed, i.e., m/50 HCN more toxic than m/500 cyanide.
#267. Kihlman, B. A. 1957. Experimentally induced chromosome aberrations in plants: I. The production of chromosome aberrations by cyanide and other heavy metal complexing agents. J. Biophys. Biochem. 3(3): 363-380.	EcoRef# 3852	Air Pollution	
#268. Johnston, S. 1939. The influence of certain hormone-like substances on the rooting of hardwood blueberry cuttings. Michigan agricultural experiment station quarterly bulletin. Volume XXI, NO. 4		Unrelated	
#269. Lessell, S. 1971. Experimental cyanide optic neuropathy. Arch. Ophtal. 86: 194-204.	EcoRef# 3852	Exposure	Injection
#270. Lessell, S. and Kuwabara, T. 1974. Fine structure of experimental cyanide optic neuropathy. Invest. Ophtal. 13(10): 748-756.	EcoRef# 46057	Exposure	Injection
#271. Levine, S. 1967. Experimental cyanide encephalopathy: gradients of susceptibility in the corpus callosum. J. Neuropathol. Exp. Neurol. 26: 214-222.	EcoRef# 46424	Duration	Experimental design and test duration imply inappropriate exposure.
#272. Maduh, E. U., Nealley, E. W., Song, H., Wang, P. C., and Baskin, S. I. 1995. A protein kinase C inhibitor attenuates cyanide toxicity In Vivo. Toxicology 100(1-3): 129-137.	EcoRef# 51794	Exposure	Injection

Article Number and Citation	Source	Rejection Code(s)	Comment
#273. Abel, P. D. and Garner, S. M. 1986. Comparisons of median survival times and median lethal exposure times for gammarus pulex exposed to cadmium, permethrin and cyanide. 20(5), 579-582.	EcoRef# 7616	Duration	Medium survival times of only a few hours
#274. Bill, T.D. and Marking, L.L. 1988. Control of nuisance populations of crayfish with traps and toxicants. Prog. Fish Cult. 50: 103-106.		Poison	LC100 can't be used for analysis.
#275. Carballo, M., Torroba, M., Munoz, M. J., Sanchez, C., Tarazona, J. V., and Dominguez, J. 1992. Effect of copper and cyanide on some immunological parameters and stress in rainbow trout ( <i>Oncorhynchus mykiss</i> ). 2(2), 121-129.	EcoRef# 17158	Biomarker	No biologically significant effect endpoints measured
#276. Lanno, R. P. and Dixon, D. G. 1996. The comparative chronic toxicity of thiocyanate and cyanide to rainbow trout. 36(3/4), 177-187.	EcoRef# 18247	No Conc	Only 2 exposure concentrations
#277. Kevan, S. D. and Dixon, D. G. 1996. Effects of age and coion (K <sup>+</sup> and Na <sup>+</sup> ) on the toxicity of thiocyanate to rainbow trout ( <i>Oncorhynchus mykiss</i> ) during pulse or continuous exposure. 35(3), 288-293.		Toxicant	Thiocyanate
#278. McGeachy, S. and Leduc, G. 1985. Sublethal and acute toxicity of cyanide to exercised and non-exercised rainbow trout ( <i>Salmo gairdneri</i> ). 383-384	EcoRef# 346	Secondary	Data in another report
#279. Raymond, P. and Leduc, G. 1985. Investigation on the mode of action of cyanide by monitoring various physiological parameters in rainbow trout ( <i>Salmo gairdneri</i> Richardson) exposed during 20 days to sublethal cyanide levels. Can. Tech. Rep. Fish. Aquat. Sci. 1368: pp. 165-		Biomarker	Endpoint not related to whole animal response
#280. Heming, T. A., Thurston, R. V., Meyn, E. L., and Zajdel, R. K. 1985. Acute toxicity of thiocyanate to trout. 114(6), 895-905.	EcoRef# 11434	Toxicant	Thiocyanate
#281. Tscheu-Schluter, M. and Skibba, W.D. 1986. Vergleichende aquato xikologisches Ergebnisse mit ausgewahlten wasserschadstoffgruppen umd representativen wasserorganismen. Acta Hydrochim, Hydrobiol. 14(6): 627-641.		Foreign (German)	Not able to decipher details
#282. Manzini, M.L. and Laudi, G. 1977. Arione eserciata dal cianuro sulla crescita e sull'inverdimento di plantule di <i>Picea abies</i> (L.) Karsten e di <i>Larix decidua</i> Miller. Giorn. Bot. Ital., 111: 101-107.	EcoRef# 28955	Foreign (Italian)	Not able to decipher details

Article Number and Citation	Source	Rejection Code(s)	Comment
#283. McCallan, S.E. and Setterstrom, C. 1940. Toxicity of ammonia chlorine, hydrogen cyanide, hydrogen sulphide, and sulphur dioxide gases I. General methods and correlations. Thompson Institute for Plant Research, Inc. 11: 325-330.	EcoRef# 42161	Air Pollution	
#284. McCool, M.M. 1943. Fertilizer value of sodium cyanide. Contributions from Boyce Thompson Institute, 13: 479485.	EcoRef# 43070	Not Aqueous	CN soil exposure-terrestrial plants
#285. McCool, M.M. 1943. Fertilizer value of sodium cyanide. Contributions from Boyce Thompson Institute, 13: 479485.	EcoRef# 43070	Not Aqueous	CN soil exposure-terrestrial plants (duplicate of # 284)
#286. McCool, M.M. 1945. Use of sodium cyanide for the eradication of undesirable plants. Contributions from Boyce Thompson Institute, 13: 455-461.	EcoRef# 41601	Not Aqueous	Terrestrial plants-application of salts to plants via watering- direct and indirect.
#287. Musshett, C.W.; Kelley, K.L.; Boxer, G.E. and Rickards, J.C. 1952. Antidotal efficacy of vitamin B12 (Hydroxo-Cobalamin) in experimental cyanide poisoning. Proc. Soc. Exp. Biol. Med. 81(1):234-237.	EcoRef# 46299	Not Aqueous	CN injection into mice
#288. Jeevaratnam, K. and Vidya, S. 1994. In Vitro and In Vivo effects of methyl Isocyanate on rat brain mitochondrial respiration. Arch. Environ. Contam. Toxicol. 27: 272-275.	EcoRef# 39545	Toxicant	Methyl Isocyanate
#289. Kandasamy, D.; Marimuthu, T.; Oblisami, G. and Subramaniam, T.R. 1977. Effect of application of insecticides on th HCN content and rhizosphere microflora of sorghum plants. Madras agric. J. 64(5): 302-306.	EcoRef# 72470	Toxicant	Mixture
#290. Karol, M.H. 1983. Concentration-dependent immunologic response to toluene dissocyanate (TDI) following inhalation exposure. Toxicol. Appl. Phar. 68: 229-241.	EcoRef# 37410	Toxicant	Toluene dissocyanate
#291. Kerr, M.W. and Wain, R.L. 1964. Inhibition of the ferricyanide-Hin reaction of isolated bean leaf chloroplasts by 3,5-diido-4-hydroxybenzonitrile (ioxynil) and related compounds. Ann. Appl. Biol. 54: 447-450.	EcoRef# 42294	Toxicant	Ferricyanide
#292. Lochner, W.; Mercker, H. and Nasser, M. 1959. Anaerobic energy gain of the heart of mammals In Situ by means of cyanide poisoning. Naunyn-Schmiedeberg's Arch. Exp. Path. U. Pharmak. 236: 365-381.		Foreign (German)	Not able to decipher details
#293. Niethammer, A. 1930. The influence of nickel compounds and of cyanides on germination of grains. Wiss. Arch. Landq. Abt. A, Pflanz. 4: 607-634.		Foreign (German)	Not able to decipher details

Article Number and Citation	Source	Rejection Code(s)	Comment
#294. Mundy, B.P.; Liu, F.H. and Strobel, G.A. 1973. Aminobutyronitrile as an intermediate in cyanide fixation by <i>Rhizoctonia solani</i> . Can. J. Biochem. 51: 1440-1442.		Unrelated	No toxicity data
#295. Sarwar, M.; Kirkegaard, J.A.; Wong, P.T.W. and Desmarchelier, J.M. 1998. Biofumigation potential of brassicas. Plant and Soil. 201: 103-112.		Toxicant	Isothiocyanates
#296. Sinclair, W.B., Bartholomew, E.T. and Ebeling, W. 1941. Comparative effects of oil spray and hydrocyanic acid fumigation on the composition of orange fruits. J. Econ. Entomol. 34(6): 821-829.		Not Aqueous	Fumigation of terrestrial insects
#297. Smith, R.P. and Kruszyna, H. 1974. Nitroprusside produces cyanide poisoning via a reaction with hemoglobin. J. Pharmacol. Exp. Thera. 191(3): 557-563.		Toxicant	Sodium nitroprusside $\text{Na}_2\text{Fe}(\text{CN})_5\text{NO}$
#298. Peters, R.A. and Dest, W.M. 1973. Glyphosate for perennial sod kill in no-tillage corn. Prof. of Agron. And Res. Assist. III, respectively, Plant Science Dep., Univ. of Conn. Storrs, Conn. pp. 1-6.		Unrelated	No cyanide data
#299. Teasdale, J.R. and Taylorson, R.B. 1986. Weed seed response to methyl isothiocyanate and metham. Weed Science. 34: 520-524.		Toxicant	Methyl isothiocyanate
#300. Wilcoxon, F. and Hartzell, A. 1935. Further experiments on organic thiocyanates as insecticides. Contribution from Boyce Thompson. Inst. 7:31-36.		Toxicant	Organic thiocyanates
#301. Mathangi, D.C. and Namasivayam, A. 2004. Protective effect of diltiazem on cyanide-induced neurotoxicity in Wistar strain rats. Food and Chemical Toxicology 42: 605-608.		Exposure	NaCN injected
#302. Perry, I.H. 1935. The effect of prolonged cyanide treatment on body and tumor growth in rats. Am. J. Cancer. 25: 592-598.		Exposure	CN administered either subcutaneously or by inhalation
#303. Prasad, J.; Singh, A.P. and Rekib, A. 1977. Hydrocyanic acid poisoning in grazing sheep and goat on <i>Acacia leucophloea</i> ( <i>reunja</i> ). Indian vet. J. 54: 748-751.		Toxicant	Field observations did not rule out potential effects of co-contaminants
#304. Streicher, E. 1951. Toxicity of colchicines, di-isopropyl fluorophosphates, intocostrin, and potassium cyanide in mice at 4° C. Pro. Soc. Exp. Biol. Med. 76: 536-538.		Exposure	Injection

Article Number and Citation	Source	Rejection Code(s)	Comment
#305. Thornton, N.C. and Setterstrom, C. 1940. Toxicity of ammonia chlorine hydrogen cyanide hydrogen sulphide and sulphur dioxide gases III. green plants. Boyce Thompson Institute for Plant Research, Inc. 11: 343-363.		Not Aqueous	Exposure to HCN gas
#306. Townsend, G.R. 1946. The ammonium thiocyanate treatment for hastening the sprouting of dormant bliss triumph potatoes. The American Potato Journal. 23:92-94.		Toxicant	Ammonium thiocyanate
#307. Shilling, D.G.; Aldrich, H.C.; Moye, A.; Gaffney, J.F.; Tolson, J.K.; Querns, R.; Mossler, M.A. and Russell, B.L. 1994. N,N'-Dibutylurea from n-Butyl Isocyanate, a degradation product of Benomil. 2. Effects on plant growth and physiology. K. Agric. Food Chem. 42: 1209-1212.		Toxicant	n-Butyl Isocyanate
#309. Lanno, R.P. and Dixon, D.G. 1994. Chronic toxicity of waterborne thiocyanate to the fathead minnow ( <i>Pimephales promelas</i> ) a partial life-cycle study. Environ. Tox. Chem. 13(9): 1423-1432.	Service Data Call	Toxicant	Thiocyanate
#310. Buhl, K.J. 1998. Toxicity of proposed water quality criteria-based mixtures of 11 inorganic to <i>Ceriodaphnia dubia</i> and fathead minnow. Report to U.S. Fish and Wildlife.	Service Data Call	Toxicant	Mixtures
#311. Blanton, F.S. 1941. Effect on <i>Amaryllis bulbs</i> of hot water and cyanide used in control of bulb fly larvae. June 1941. Scientific Notes pp. 475.		Air Pollution	
#312. Ruddick, J.A. and Newsome, W.H. 1977. Teratogenicity assessment of ethylenbis (isothiocyanate) in the rat. Bull. Environ. Contam. Toxicol. 17(2): 159-162.		Toxicant	Isothiocyanate
#313. Vaghanavikit, S. and Ganther, H.E. 1988. Nutritional availability and chronic toxicity of selenocyanate in the rat. J. Nutr. 118(6): 718-722.		Toxicant	Mixture
#314. Cardin, J. A. 1980. Unpublished Laboratory Data. U.S.EPA, Narragansett, RI , -9.	EcoRef# 3751	Unrelated	No data on cyanide toxicity

Article Number and Citation	Source	Rejection Code(s)	Comment
#315. Abel, P.D. 1976. Effect of some pollutants on the filtration rate of <i>Mytilus</i> . Marine Pollution Bulletin. ; pp.228-231.		Biomarker	Adverse effects of contaminants on organisms were not demonstrated
#316. Bringmann,, G. and R. Kuhn. 1959. Water-toxicological investigations with protozoa as test organisms. Gesundheits-Ingenieur 8(80):239-242. (English Translation)	EcoRef# 2394	Acellular	Study of CN toxicity to protozoa
#317. Doudoroff, P. 1976. Toxicity to fish of cyanides and related compounds - A review. US EPA-600/3-76-038, Office of Research and Development, Environmental Research Laboratory, Duluth, Minnesota.	EcoRef# 48796	Secondary	Review
#318. Doudoroff, P. 1976. Toxicity to fish of cyanides and related compounds. US EPA-600/3-76-038, Office of Research and Development, Environmental Research Laboratory, Duluth, Minnesota.			Duplicate of #317
#319. Solomonson, L.P. 1981. Cyanide as a metabolic inhibitor. Pages 11-28 in Vennesland, B., E.E. Conn, C.J. Knowles, J. Westley, and F. Wissing (eds.). Cyanide in biology. Academic Press, New York, NY.	EcoRef# 54377	Secondary	Review
#320. Epler, P. 1971. Effect of water pollution on ichtyofauna. Part II. Toxicity of ammonia, phenols and cyanides. Postepy Nauk Roln. 71(4):67-90. (English translation).	EcoRef# 49048	Secondary	Review
#321. Heming, T.A. and R.V. Thurston. 1984. Physiological and toxic effects of cyanides to fishes: A review and recent advances. Conference on Cyanide and the Environment, December 1984. Geotechnical Engineering Program, Colorado State University, Fort Collins, Colorado.	EcoRef# 50117	Toxicant	Mixture
#322. Ryland, A.G. 1948. A cytological study of the effects of colchicine, indole-3-acetic acid, potassium cyanide, and 2,4-D on plant cells. J. Mitchell Soc. 64:117-125	EcoRef# 30309	In Vitro, Duration	Toxic effects on cells. Short exposure period (25 hrs)
#323. Laibach, F., and J. Keil. 1938. Über die keimungshemmende wirkung der natürlichen freien bläusaure.	EcoRef# 26955	Foreign (German)	Not able to decipher details
#324. Washburn, G.N. 1948. The toxicity to warm-water fishes of certain cyanide plating and carburizing salts before and after treatment by the alkali chlorination method. Sewage Works Journal 20(6):1074-1083.	EcoRef# 55427	Toxicant	Mixture
#325. Woker, H., and K. Wuhrmann. The sensitivity of different species of fish to ammonia, hydrocyanic acid and phenol. Rev. Suisse De Zool. 57:548-553.	EcoRef# 55695	Foreign (German)	Not able to decipher details

Article Number and Citation	Source	Rejection Code(s)	Comment
#326. Baudin, J.P., J. Garnier-Laplace, and A. Lambrechts. 1994. Uptake from water depuration and tissue distribution of $^{110m}$ Ag in a freshwater fish, <i>Cyprinus carpio</i> L. Water Air Soil Pollut. 72:129-141.	EcoRef# 14183	Toxicant	Mixture
#327. Boney, A.D., E.D.S. Corner, and B.W.P. Sparrow. 1959. The effects of various poisons on the growth and viability of sporelings of the red alga <i>Plumaria elegans</i> (Bonnem.) Schm. Biochemical Pharmacology 2:37-49.	EcoRef# 14375	No Conc	Only one concentration.
#328. Garnier-Laplace, J., J.P. Baudin, and L. Foulquier. 1992. Experimental study of $^{110m}$ Ag transfer from sediment to biota in a simplified freshwater ecosystem. Hydrobiologia 235/236:393-406.	EcoRef# 20594	Toxicant	Mixture
#329. Garnier, J., J.P. Baudin, and L. Foulquier. 1990. Accumulation from water and depuration of $^{110m}$ Ag by a freshwater fish, <i>Salmo trutta</i> L. Water Research 24(11):1407-1414.	EcoRef# 3487	Toxicant	Mixture
#330. Heuser, C.W. 1972. Response of callus cultures of <i>Prunus persica</i> , <i>P. tomentosa</i> , and <i>P. besseyi</i> to cyanide. Can J. Bot 50:2149-2152.	EcoRef# 42601		Possible use. Terrestrial plant data uncertain medium.
#331. James, T.W., and M.S. Spencer. 1982. Inhibition of cyanide-resistant respiration in pea cotyledon mitochondria by chloroquine. Plant Physiol. 65:1113-1115.	EcoRef# 25702	Unrelated	
#332. Larsen, M., S. Trapp, and A. Pirandello. 2004. Removal of cyanide by woody plants. Chemosphere 54:325-333.			Possible use. Toxicity & uptake of CN by terrestrial plants
#333. Qureshi, F.A., and D.C. Spanner. 1973. Cyanide inhibition of phloem transport along the stolon of <i>Saxifraga sarmentosa</i> L. J. Exp. Bot. 24(81):751-762.	EcoRef# 46420		Possible use. Terrestrial plant data
#334. Rosene, H.F. 1944. Effect of cyanide on rate of exudation in excised onion roots. Am. J. Bot. 31:172-174.	EcoRef# 43049	in vitro	Excised onion roots
#335. Sharma, K.D., and D.N. Sen. 1970. Role of cyanide in productivity of <i>Solanum nigrum</i> Linn. Biochem. Physiol. Pflanzen 161:91-94.	EcoRef# 29822	in vitro	Leaf samples
#336. Webb, T., and W. Armstrong. 1983. Effects of KCN and salicylhydroxamic acid on the root respiration of pea seedlings. Plant Physiol.	EcoRef# 41155	Duration	Short exposure period (10 h)

Article Number and Citation	Source	Rejection Code(s)	Comment
#337. Oaks, A. and F.J. Johnson. 1972. Cyanide as an asparagine precursor in corn roots. <i>Phytochem.</i> 11:3465-3471.	EcoRef# 46336	In Vitro, Duration	Excised root tips. Short exposure period ( $\leq 2$ hrs)
#338. Wallace, A., J.W. Cha, and R.T. Mueller. 1977. Cyanide effects on transport of trace metals in plants. <i>Commun. Soil Science Plant Analysis</i> 8(9):709-712.	EcoRef# 55337	Not Aqueous	NaCN in soil
#339. Wood, J.L., and S.L. Cooley. 1956. Detoxification of cyanide by cystine. <i>J. Biol. Chem.</i> 218:449-457.	EcoRef# 46059	Toxicant	2-imino-4-thiazolidine-4-carboxylic acid
#341. Pristos, C.A., and J. Ma. 1997. Biochemical Assessment of Cyanide-induced toxicity in migratory birds from gold mining hazardous waste ponds. <i>Toxicol. Indust. Health.</i> 13(3/4):203-209.	EcoRef# 63917	Biomarker	No association with whole animal response indicated.
#342. O'Connor, C.E., and L.R. Matthews. 1995. Cyanide induced aversions in the possum ( <i>Trichosurus vulpecula</i> ): Effect of route of administration, dose, formulation. <i>Physiol. Behav.</i> 58(2):265-271.	EcoRef# 40370		Food aversion study
#343. Link, W.A., E.F. Hill, J.E. Hines, and P.F.P. Henry. 1996. A resource conservative procedure for comparison of dose-response relationships. <i>Environ. Toxicol. Chem.</i> 15(9):1612-1617.	Data Call	Secondary	
#344. Cooper, R., and C.A. Pritsos. 2003. The physiological effects of sub-lethal concentrations of cyanide on homing pigeons ( <i>Columba livia</i> ): A model system for migratory studies. University of Nevada, Reno.	Data Call	Biomarker	Examined effect of single oral dose on return flight of homing pigeons, and correlated effect with reduced enzyme levels